

Sexually Transmitted Disease in Wisconsin 2002



Wisconsin STD Program

Technical notes

1. These reports are compiled by the Wisconsin STD Program and are based on STD case surveillance data collected by the Wisconsin Division of Public Health (DPH). In Wisconsin, state statutes require health care providers to report cases of chlamydia, gonorrhea, syphilis, primary genital Herpes simplex virus (HSV) infection, chancroid, and pelvic inflammatory disease to local health departments. Local health departments in turn forward reports to the DPH.
2. In this analysis the term "all STDs" refers specifically to reported cases of chlamydia, gonorrhea, syphilis, and primary genital Herpes simplex virus (HSV) infection. Unless otherwise specified, syphilis cases shown in these reports include all stages of disease.
3. These reports include cases diagnosed within the specified period. Additional cases diagnosed within the specified period may continue to be reported. Thus, this report should be considered provisional, and this report supercedes all previous reports.
4. Reporting of STDs cases is incomplete. Reporting rates may vary by disease, geographic region, and demographic groups. At any time, reported STD cases represent only part of the total number of diagnosed cases, therefore STD surveillance data likely underestimate total STD morbidity.
5. In these reports, rates presented are cases per 100,000 population. Rates are not calculated for categories with small numbers of cases. See each report for the rate calculation threshold.
6. Typically a significant number of STD cases are reported with unspecified race. When noted, imputed race-specific rates have been calculated. To calculate the imputed rate, reported cases with unspecified race were statistically allocated using the county-specific race distribution among cases with specified race. Thus, imputed rates specified in this table are estimates and should be used only for comparison.
7. In these reports, cases are allocated to the county of residence at the time of diagnosis. Cases diagnosed among inmates of correctional facilities are allocated to the county of the facility.

For more information contact:

Wisconsin STD Program
1 West Wilson Street
PO Box 2659
Madison, WI 53701-2659
Telephone: (608) 266-8479

Table 1. Reported cases of sexually transmitted disease
Cases reported in Wisconsin*
Year: 2002

	<u>All STDs</u>		<u>Chlamydia</u>		<u>Gonorrhea</u>		<u>Syphilis</u>		<u>Genital HSV</u>	
	Cases	Percent	Cases	Percent	Cases	Percent	Cases	Percent	Cases	Percent
Total	26759	100.0%	17441	100.0%	6499	100.0%	135	100.0%	2684	100.0%
Sex										
Male	8172	30.5%	4872	27.9%	2713	41.7%	90	66.7%	497	18.5%
Female	18529	69.2%	12541	71.9%	3776	58.1%	45	33.3%	2167	80.7%
Unknown	58	0.2%	28	0.2%	10	0.2%	0	0.0%	20	0.7%
Race										
White	7345	27.4%	5288	30.3%	892	13.7%	43	31.9%	1122	41.8%
Black	9209	34.4%	5567	31.9%	3309	50.9%	65	48.1%	268	10.0%
Am. Indian	376	1.4%	289	1.7%	63	1.0%	3	2.2%	21	0.8%
Asian/Pacific Is.	281	1.1%	237	1.4%	32	0.5%	3	2.2%	9	0.3%
Other	578	2.2%	446	2.6%	85	1.3%	18	13.3%	29	1.1%
Unknown	8970	33.5%	5614	32.2%	2118	32.6%	3	2.2%	1235	46.0%
Hispanic ethnicity										
Hispanic	1139	4.3%	894	5.1%	159	2.4%	27	20.0%	59	2.2%
Non Hispanic	14752	55.1%	9742	55.9%	3717	57.2%	105	77.8%	1188	44.3%
Unknown	10868	40.6%	6805	39.0%	2623	40.4%	3	2.2%	1437	53.5%
Age group										
0-4	37	0.1%	23	0.1%	9	0.1%	0	0.0%	5	0.2%
5-9	8	0.0%	2	0.0%	5	0.1%	0	0.0%	1	0.0%
10-14	498	1.9%	339	1.9%	145	2.2%	0	0.0%	14	0.5%
15-19	9047	33.8%	6437	36.9%	2187	33.7%	3	2.2%	420	15.6%
20-24	9132	34.1%	6430	36.9%	1965	30.2%	15	11.1%	722	26.9%
25-29	3832	14.3%	2458	14.1%	914	14.1%	15	11.1%	445	16.6%
30-34	1845	6.9%	984	5.6%	526	8.1%	19	14.1%	316	11.8%
35-39	988	3.7%	412	2.4%	321	4.9%	21	15.6%	234	8.7%
40-44	587	2.2%	186	1.1%	217	3.3%	24	17.8%	160	6.0%
45-49	348	1.3%	93	0.5%	117	1.8%	10	7.4%	128	4.8%
50+	426	1.6%	71	0.4%	92	1.4%	28	20.7%	235	8.8%
Unknown	11	0.0%	6	0.0%	1	0.0%	0	0.0%	4	0.1%
Region of residence										
Northeastern	2925	10.9%	2015	11.6%	340	5.2%	6	4.4%	564	21.0%
Northern	878	3.3%	633	3.6%	103	1.6%	2	1.5%	140	5.2%
Southeastern	17635	65.9%	10958	62.8%	5206	80.1%	115	85.2%	1356	50.5%
Southern	3543	13.2%	2535	14.5%	709	10.9%	11	8.1%	288	10.7%
Western	1690	6.3%	1243	7.1%	116	1.8%	1	0.7%	330	12.3%
Unknown*	88	0.3%	57	0.3%	25	0.4%	0	0.0%	6	0.2%

* Includes 68 cases reported among residents of other states, and 20 Wisconsin cases reported without a county specified.

Table 2. Reported cases of sexually transmitted disease by year
Cases reported in Wisconsin

Year	All STDs	Chlamydia	Gonorrhea	Syphilis	Genital HSV
1993	21,634	11,720	6,892	1,134	1,888
1994	22,604	11,838	7,806	824	2,136
1995	19,986	11,052	6,371	617	1,946
1996	17,762	10,266	4,911	505	2,080
1997	18,173	11,063	4,917	351	1,842
1998	22,422	13,841	6,319	216	2,046
1999	22,861	14,257	6,355	138	2,111
2000	24,962	15,725	6,735	181	2,321
2001	25,133	16,476	6,070	137	2,450
2002	26,759	17,441	6,499	135	2,684
Total	222,296	133,679	62,875	4,238	21,504

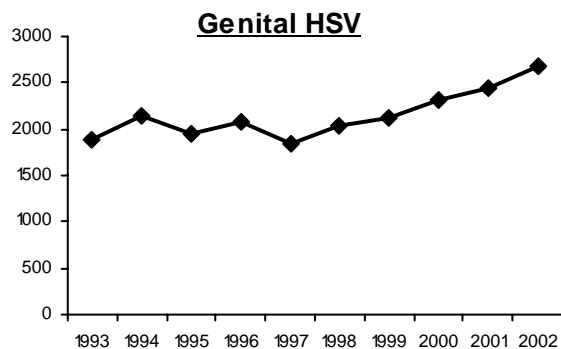
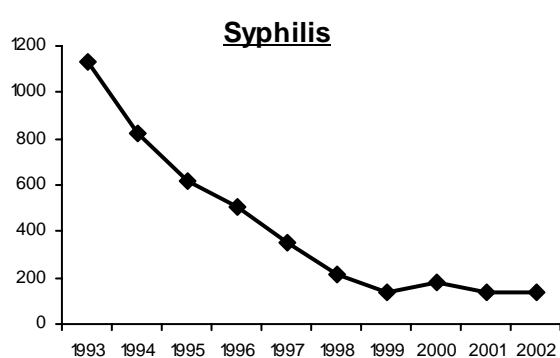
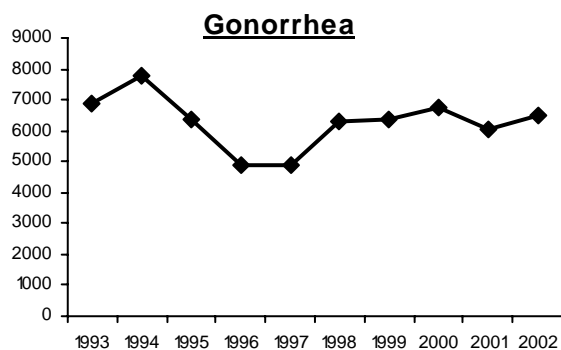
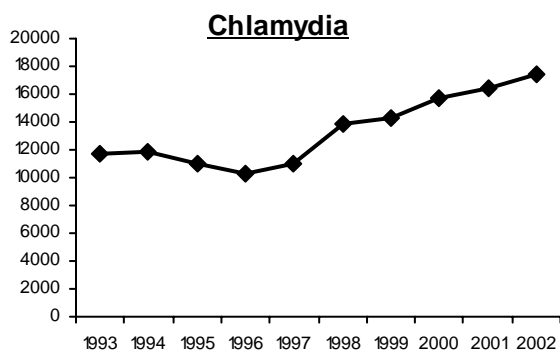
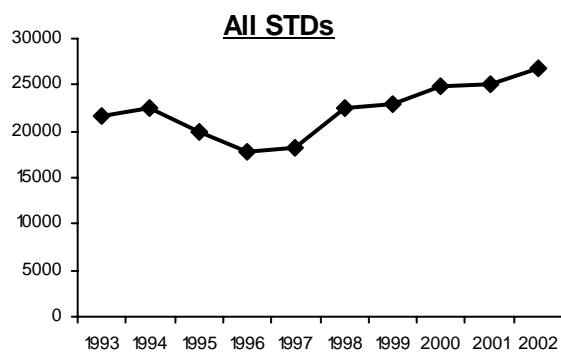


Table 3. Reported cases of sexually transmitted disease by DHFS region and county

*Cases reported in Wisconsin**

Year: 2002

Region/County	<u>All STDs</u>			<u>Chlamydia</u>			<u>Gonorrhea</u>			<u>Syphilis</u>			<u>Genital HSV</u>		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Northeastern Region	2925	11.0%	247	2015	11.6%	170	340	5.3%	29	6	4.4%	1	564	21.1%	48
Brown	965	3.6%	415	661	3.8%	284	146	2.3%	63	3	2.2%	**	155	5.8%	67
Calumet	16	0.1%	37	10	0.1%	23	0	0.0%	**	0	0.0%	**	6	0.2%	14
Door	57	0.2%	198	38	0.2%	132	6	0.1%	21	1	0.7%	**	12	0.4%	42
Fond Du Lac	194	0.7%	197	115	0.7%	117	32	0.5%	33	0	0.0%	**	47	1.8%	48
Green Lake	26	0.1%	134	20	0.1%	103	3	0.0%	**	0	0.0%	**	3	0.1%	**
Kewaunee	28	0.1%	136	18	0.1%	87	3	0.0%	**	0	0.0%	**	7	0.3%	34
Manitowoc	127	0.5%	152	93	0.5%	111	6	0.1%	7	0	0.0%	**	28	1.0%	34
Marinette	69	0.3%	158	43	0.2%	99	8	0.1%	18	0	0.0%	**	18	0.7%	41
Marquette	22	0.1%	149	15	0.1%	101	1	0.0%	**	0	0.0%	**	6	0.2%	41
Menominee	78	0.3%	1,698	59	0.3%	1,285	13	0.2%	283	0	0.0%	**	6	0.2%	131
Oconto	57	0.2%	155	43	0.2%	117	2	0.0%	**	0	0.0%	**	12	0.4%	33
Outagamie	420	1.6%	253	297	1.7%	179	44	0.7%	26	0	0.0%	**	79	2.9%	48
Shawano	73	0.3%	177	50	0.3%	121	13	0.2%	31	0	0.0%	**	10	0.4%	24
Sheboygan	271	1.0%	236	210	1.2%	183	23	0.4%	20	0	0.0%	**	38	1.4%	33
Waupaca	51	0.2%	97	35	0.2%	66	3	0.0%	**	0	0.0%	**	13	0.5%	25
Waushara	29	0.1%	119	20	0.1%	82	2	0.0%	**	0	0.0%	**	7	0.3%	29
Winnebago	442	1.7%	277	288	1.7%	181	35	0.5%	22	2	1.5%	**	117	4.4%	73
Northern Region	878	3.3%	180	633	3.6%	130	103	1.6%	21	2	1.5%	**	140	5.2%	29
Ashland	34	0.1%	201	31	0.2%	184	1	0.0%	**	0	0.0%	**	2	0.1%	**
Bayfield	12	0.0%	79	12	0.1%	79	0	0.0%	**	0	0.0%	**	0	0.0%	**
Florence	0	0.0%	**	0	0.0%	**	0	0.0%	**	0	0.0%	**	0	0.0%	**
Forest	32	0.1%	320	22	0.1%	220	6	0.1%	60	0	0.0%	**	4	0.1%	**
Iron	5	0.0%	73	3	0.0%	**	0	0.0%	**	0	0.0%	**	2	0.1%	**
Langlade	35	0.1%	167	29	0.2%	138	4	0.1%	**	0	0.0%	**	2	0.1%	**
Lincoln	74	0.3%	246	57	0.3%	190	5	0.1%	17	0	0.0%	**	12	0.4%	40
Marathon	339	1.3%	265	245	1.4%	191	65	1.0%	51	0	0.0%	**	29	1.1%	23
Oneida	23	0.1%	62	13	0.1%	35	0	0.0%	**	0	0.0%	**	10	0.4%	27
Portage	134	0.5%	197	92	0.5%	135	8	0.1%	12	1	0.7%	**	33	1.2%	48
Price	13	0.0%	82	11	0.1%	70	0	0.0%	**	1	0.7%	**	1	0.0%	**

Region/County	All STDs			Chlamydia			Gonorrhea			Syphilis			Genital HSV		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Sawyer	17	0.1%	102	15	0.1%	90	1	0.0%	**	0	0.0%	**	1	0.0%	**
Taylor	13	0.0%	66	9	0.1%	46	1	0.0%	**	0	0.0%	**	3	0.1%	**
Vilas	25	0.1%	115	18	0.1%	83	0	0.0%	**	0	0.0%	**	7	0.3%	32
Wood	122	0.5%	161	76	0.4%	100	12	0.2%	16	0	0.0%	**	34	1.3%	45
Southeastern Region	17635	66.1%	869	10958	63.0%	540	5206	80.4%	257	115	85.2%	6	1356	50.6%	67
Jefferson	120	0.4%	152	94	0.5%	119	13	0.2%	16	0	0.0%	**	13	0.5%	16
Kenosha	631	2.4%	411	451	2.6%	294	101	1.6%	66	3	2.2%	**	76	2.8%	50
Milwaukee	14718	55.2%	1,570	9011	51.8%	961	4687	72.4%	500	96	71.1%	10	924	34.5%	99
Ozaukee	73	0.3%	87	30	0.2%	36	8	0.1%	10	0	0.0%	**	35	1.3%	42
Racine	1294	4.9%	679	842	4.8%	442	318	4.9%	167	5	3.7%	3	129	4.8%	68
Walworth	180	0.7%	191	127	0.7%	135	12	0.2%	13	4	3.0%	**	37	1.4%	39
Washington	127	0.5%	105	73	0.4%	60	11	0.2%	9	1	0.7%	**	42	1.6%	35
Waukesha	492	1.8%	133	330	1.9%	89	56	0.9%	15	6	4.4%	2	100	3.7%	27
Southern Region	3543	13.3%	345	2535	14.6%	247	709	11.0%	69	11	8.1%	1	288	10.8%	28
Adams	20	0.1%	98	12	0.1%	59	2	0.0%	**	0	0.0%	**	6	0.2%	29
Columbia	89	0.3%	166	65	0.4%	121	9	0.1%	17	0	0.0%	**	15	0.6%	28
Crawford	19	0.1%	110	16	0.1%	92	1	0.0%	**	0	0.0%	**	2	0.1%	**
Dane	1741	6.5%	394	1222	7.0%	276	399	6.2%	90	7	5.2%	2	113	4.2%	26
Dodge	434	1.6%	498	356	2.0%	408	40	0.6%	46	1	0.7%	**	37	1.4%	42
Grant	69	0.3%	138	61	0.4%	122	4	0.1%	**	0	0.0%	**	4	0.1%	**
Green	84	0.3%	245	51	0.3%	148	11	0.2%	32	0	0.0%	**	22	0.8%	64
Iowa	30	0.1%	129	21	0.1%	90	7	0.1%	30	0	0.0%	**	2	0.1%	**
Juneau	68	0.3%	272	57	0.3%	228	6	0.1%	24	0	0.0%	**	5	0.2%	20
Lafayette	17	0.1%	104	14	0.1%	86	1	0.0%	**	0	0.0%	**	2	0.1%	**
Richland	27	0.1%	149	21	0.1%	116	1	0.0%	**	0	0.0%	**	5	0.2%	28
Rock	743	2.8%	482	473	2.7%	307	206	3.2%	134	3	2.2%	**	61	2.3%	40
Sauk	165	0.6%	289	139	0.8%	244	17	0.3%	30	0	0.0%	**	9	0.3%	16
Vernon	37	0.1%	130	27	0.2%	95	5	0.1%	18	0	0.0%	**	5	0.2%	18
Western Region	1690	6.3%	231	1243	7.2%	170	116	1.8%	16	1	0.7%	**	330	12.3%	45
Barron	106	0.4%	232	88	0.5%	193	1	0.0%	**	0	0.0%	**	17	0.6%	37
Buffalo	13	0.0%	93	9	0.1%	64	0	0.0%	**	0	0.0%	**	4	0.1%	**
Burnett	11	0.0%	68	9	0.1%	56	1	0.0%	**	0	0.0%	**	1	0.0%	**
Chippewa	66	0.2%	116	53	0.3%	93	2	0.0%	**	0	0.0%	**	11	0.4%	19
Clark	53	0.2%	156	34	0.2%	100	5	0.1%	15	0	0.0%	**	14	0.5%	41
Douglas	104	0.4%	238	92	0.5%	210	9	0.1%	21	0	0.0%	**	3	0.1%	**

Wisconsin STD Program data

Region/County	<u>All STDs</u>			<u>Chlamydia</u>			<u>Gonorrhea</u>			<u>Syphilis</u>			<u>Genital HSV</u>		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Dunn	88	0.3%	215	58	0.3%	141	4	0.1%	**	1	0.7%	**	25	0.9%	61
Eau Claire	373	1.4%	393	246	1.4%	259	27	0.4%	28	0	0.0%	**	100	3.7%	105
Jackson	33	0.1%	170	28	0.2%	144	0	0.0%	**	0	0.0%	**	5	0.2%	26
La Crosse	424	1.6%	391	304	1.7%	281	51	0.8%	47	0	0.0%	**	69	2.6%	64
Monroe	132	0.5%	316	102	0.6%	244	5	0.1%	12	0	0.0%	**	25	0.9%	60
Pepin	0	0.0%	**	0	0.0%	**	0	0.0%	**	0	0.0%	**	0	0.0%	**
Pierce	45	0.2%	119	39	0.2%	103	1	0.0%	**	0	0.0%	**	5	0.2%	13
Polk	68	0.3%	158	50	0.3%	116	5	0.1%	12	0	0.0%	**	13	0.5%	30
Rusk	21	0.1%	136	15	0.1%	97	0	0.0%	**	0	0.0%	**	6	0.2%	39
St Croix	82	0.3%	119	53	0.3%	77	4	0.1%	**	0	0.0%	**	25	0.9%	36
Trempealeau	57	0.2%	208	51	0.3%	186	0	0.0%	**	0	0.0%	**	6	0.2%	22
Washburn	14	0.1%	85	12	0.1%	73	1	0.0%	**	0	0.0%	**	1	0.0%	**
Total	26671	100.0%	488	17384	100.0%	318	6474	100.0%	119	135	100.0%	2	2678	100.0%	49

* Excludes 68 cases reported among residents of other states, and 20 Wisconsin cases reported without a county specified.

** Cases per 100,000 population. Rate not calculated for categories with less than 5 cases.

Table 4. Reported cases of sexually transmitted disease by age and disease
Cases reported in Wisconsin
Year: 2002

All STDs

Age	Cases	Rate*
0-4	37	10
5-9	8	2
10-14	498	124
15-19	9,047	2207
20-24	9,132	2303
25-29	3,832	1174
30-34	1,845	509
35-39	988	240
40-44	587	129
45-49	348	82
50+	437	27
Total	26,759	489

Chlamydia

Age	Cases	Rate*
0-4	23	6
5-9	2	**
10-14	339	84
15-19	6,437	1570
20-24	6,430	1622
25-29	2,458	753
30-34	984	271
35-39	412	100
40-44	186	40
45-49	93	22
50+	77	4
Total	17,441	319

Gonorrhea

Age	Cases	Rate*
0-4	9	2
5-9	5	1
10-14	145	36
15-19	2,187	533
20-24	1,965	495
25-29	914	280
30-34	526	145
35-39	321	77
40-44	217	47
45-49	117	27
50+	93	5
Total	6,499	118

Syphilis

Age	Cases	Rate*
0-4	0	**
5-9	0	**
10-14	0	**
15-19	3	**
20-24	15	3
25-29	15	4
30-34	19	5
35-39	21	5
40-44	24	5
45-49	10	2
50+	28	1
Total	135	2

Genital HSV

Age	Cases	Rate*
0-4	5	1
5-9	1	**
10-14	14	3
15-19	420	102
20-24	722	182
25-29	445	136
30-34	316	87
35-39	234	56
40-44	160	35
45-49	128	30
50+	239	15
Total	2,684	49

* Cases per 100,00 population

** Rate not calculated for categories with less than 5 cases.

Table 5. Reported sexually transmitted disease, reported rates* and imputed rates by race**
Cases reported in Wisconsin

Year: 2002

	Cases per 100,000 population***				
	All STDs	Chlamydia	Gonorrhea	Syphilis	Genital HSV
	Reported - Imputed	Reported - Imputed	Reported - Imputed	Reported - Imputed	Reported - Imputed
White	147 - 199	106 - 136	17 - 23	0 - 0	22 - 38
Black	2747 - 4485	1661 - 2760	987 - 1514	19 - 19	79 - 189
Am. Indian	690 - 881	530 - 681	115 - 141	** - **	38 - 52
Asian/Pacific Is.	256 - 341	216 - 283	29 - 39	** - **	8 - 16

* The reported rate is the number reported cases with specified race per 100,000 population. Because some cases are reported with unspecified race, the reported rate under-estimates actual morbidity and thus should be regarded as a minimum estimate.

** The imputed rate takes into consideration cases reported without race specified. To calculate the imputed rate reported cases with unspecified race were statistically allocated using the county-specific race distribution among cases with specified race. Thus, imputed rates specified in this table are estimates.

*** Rate not calculated for categories with less than 5 cases.